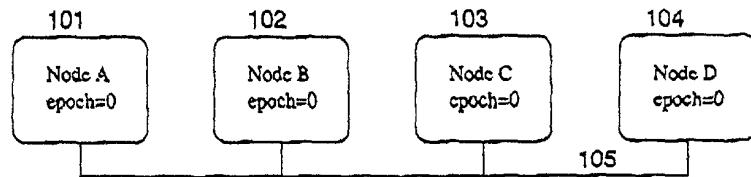


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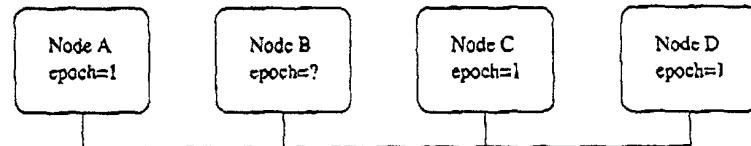
Figure 1



Event 1

Node B unable to communicate with others  
 Nodes A, C, and D notified through heartbeat system

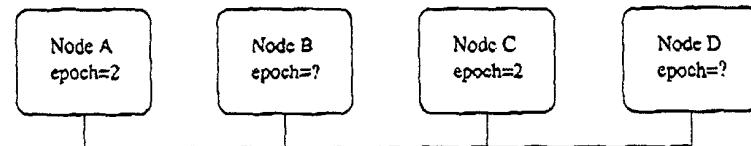
Nodes A, C and D execute LAPI\_Purge\_totask(B) which causes epoch\_no++;



Event 2

Node D unable to communicate with others. Nodes A and C notified through heartbeat system

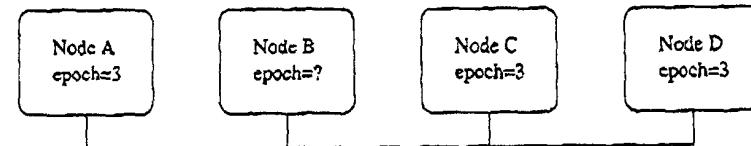
Nodes A and C execute LAPI\_Purge\_totask(D) which causes epoch\_no++



Event 3

Node D comes back online and can now participate in the computation/communication notified through heartbeat system

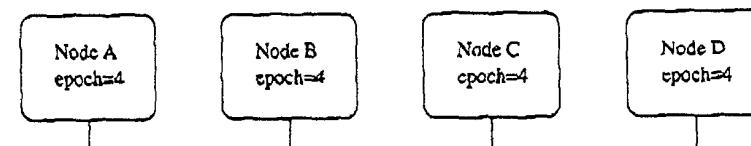
Nodes A, C, and D execute LAPI\_Resume\_totask(D) which causes epoch\_num++



Event 4

Node B comes back online and can now participate in the computation/communication notified by the heartbeat system

Nodes A, B, C, and D execute LAPI\_Resume\_totask(B) which causes epoch\_num++



Example Scenario showing the recovery model